DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

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INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: SCIENTIFIC CHEMICAL PROCESSING INC.

LOCATION: 216 PATERSON PLANK ROAD, CARLSTADT NEW JERSEY, BERGEN COUNTY.

Scientific Chemical Processing is an abundanced hazurdow waste processing facility that is presently supporting a trucking companies activities. SCP was ordered to stop operations by NO DEP on 10-10-80 and the various solvents and paint sludges in their tanks, drams, and tank trailers still remain on site. When in operation scp practiced poor house keeping. Sumpling data indicates contamination of the air, soil, and neighboring Pouch Island creek.

GROUND WATER ROUTE

I OBSERVED RELEASE

Contaminants detected (5 maximum):

No simples were taken of ground water Ground water is highly suspected of being contaminated leachate excaping into felich Filand Crack.
Rationale for attributing the contaminants to the facility:

ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Aquirers of concern un glavial till and stratified drift.

less than 5 feet.

Source - Meno from David Kaplan to Ron Buchman. 1-30-90 In Div. waste management [Hiz. waste], NO DEP, Files.

Depth from the ground surface to the lowest point of waste disposal/ storage:

Storage tanks on site are stored apprexed feet ground surface level.

+Schry 8-4-82 inspection.

000230

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

Lommerie, National Climatic Center, Ashville, 18.C., 1979.
Mean annual lake or seasonal evaporation (list months for seasonal):

33 intes

Dept. of Commerce, National Climatic center, Ashville, N.C., 1979

Net precipitation (subtract the above figures):

11 inde

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

fill over organic silt

in Div. Weste Management [Haz. waste Files], NJ. OEP.

Permeability associated with soil type:

< 10-5 2 10-7 cm/sec. Assigned Value of I

Table 2, "Manual"

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

liquid and sludge

IHAZ. Woote Filed], NIDEP.

CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Contained, we king and no lines on incompetible lines.

Dourse - 8.4.82 inspection - physical observation.

Method with highest score:

Jane as above

WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Benzenz

CHLOROFORM

Compound with highest score:

BUNZETE

CHLOROFORM (DWR 1/19/79 REG. I ANALYSIS;

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

375150 gallons.

or 7,503 drums

Basis of estimating and/or computing waste quantity:

Sep inventory on 6-27-80 after facility was closel by DEP. Inventory is attached.

000232

Ground Water Use

Use(s) of squifer(s) of concern within a 3-wile radius of the facility: Drinking and Industrial

Source - well fermits water allocation Unit OWR, 170 DEP files E. Rutherford Sanitaly Inspector (201) -991-4367 8-12-80 phone conversations. Distance to Nearest Well

s.

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

4 000 feet - Carbledt Consumos Ica. Co. 517, Rt. 17 North, Carlstall

Al Grew - sue above

Distance to above well or building: 4000 fat

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each;

Fire (5) well in Wallinton recently short down due to organic

Population servel = 11,400 people Contamination.

wello in E. Rutherford. Osclerno 118 mozart St., & Callo Magk St.

(3) B=D Co. Stanley St. population served 415

one(1) well in Carlstaft - Constaft Consumers Ice. population of land area irrigated by supply well(s) drawing from 10,000 aquifer(s) of concern within a 3-mile radius, and conversion to Source population (1.5 people per acre): above,

NOA.

Total population served by ground water within a 3-mile radius:

Source - see above.

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SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

BENZENE - 42 PPB

CHLOROFORM - 250 "

Toluene - 1250 "

Trichloroethylene - 200 PPB

Tetrichloroethylene - 200 PPB

Tetrichloroethylene - 250 "

Rationale for attributing the contaminants to the facility:

A sample of waste taken the same day indicated Similar compounds in the surface water. See 1-19-79 DWR, Region I analysis attacked. Observed release - attacked Dwm George singila report 4-10-80, and Rich chayla- Wynne memo to Bob Reed DwR, Region I. files 1-13-79.

2 ROUTE CHARACTERISTICS ///A

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Name/description of nearest downslope surface water:

Average slope of terrain between facility and above-cited surface water body in percent:

Is the facility located either totally or particlly in surface water?

is the facility completely surrounded by areas of higher elevation?

1-Year 24-Hour Rainfall in Inches

Distance to Nearest Downslope Surface Water

Physical State of Waste

3 CONTAINMENT

K/M

Containment

Method(s) of waste or leachate containment evaluated:

Method with highest score:

WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated Chluroform and Bourene.

Compound with highest score:

Chloroform.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

See Page 4

Basis of estimating and/or computing waste quantity:

See Page 4

TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Hackensack River - used for Recreational use, [ie. Hackensuck Sports Plax Marina], and crabbing

Al Grego Carlstall Health Officer God 261-8008.

Phone conversation 8-12-82 and visual observations.

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0.0-0236

Is there tidal influence?

Durn, (HAL worth) file, NJ. DEP and Wetland map Distance to a Sensitive Environment Us, Dept of Interior, Fish & wild life Survice.

Weehar Ken Qual.

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

facility is on coastal wetland

+ source - see above

Distance to 5-acre (minimum) fresh-water wetland, if I mile or less:

NH

Distance to critical habitat of an endangered species or national wildlife refuge, if I mile or less:

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or I mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

///4

Total population served:

NIA

Name/description of nearest of above water bodies:

Peach Island creek border facility property.

Distance to above-cited intakes, measured in stream miles.

MA

1 OBSERVED RELEASE

Contaminants detected:

PID

Date and location of detection of contaminants August 9, 1482

Methods used to detect the contaminants:

Photo Ionization Detector

Rationale for attributing the contaminants to the site:

PID meter reading on six. Please see attached report.

A A A

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

ACIDS

Most incompatible pair of compounds:

ACID AND WATER

Moxicity

Most toxic compound:

Chloro form

Hazardous Waste Quantity

Total quantity of hazardous waste:

See page 4

Basis of estimating and/or computing waste quantity:

Sec page 4

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

O to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

5, 460 persons see page 1

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

NA

Distance to 5-acre (minimum) fresh-water wetland, if I mile or less:

Site is on wetland. Source: USGS Quad Map

Weehawken Quadrangle

Discance to critical habitat of an endangered species, if I mile or less:

Land Use

Distance to commercial/industrial area, if I mile or less:

Luncheonetter & diner within 300 feet from the vite.

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

NA

Distance to residential area, if 2 miles or less:

5,960 persons within I mile radius.

From: USGS Map, Wechawken Quadrangle

Distance to agricultural land in production within past 5 years, if I mile or less:

NA

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

NA

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

NA